Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 06:00 on Monday 21 Dec 2020 until 23:59 on Tuesday 22 Dec 2020

Forecast Issued on Monday 21 Dec 2020 at 03:49

Confidence: High for the general weather story for Monday and Tuesday. Lower confidence for Wednesday for northward extent of precipitation over the United Kingdom. High for Thursday and Christmas Day.

Headline for Monday 21 Dec 2020: Low cloud and outbreaks of rain. Becoming drier in afternoon. Breezy.

Mountain weather hazards on Monday 21 Dec 2020

Blizzards
No Likelihood

Heavy Snow
No Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
Low Likelihood

Poor visibility
High Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
Low Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Light rain	Heavy Rain	Light rain	Drizzle	Light rain	Cloudy
Precipitation probability					
20%	90%	90%	50%	30%	10%

Forecast for Monday 21 Dec 2020

Weather: Rain soon spreading northeast, becoming heavy at times. Rain will become lighter and more intermittent in the afternoon. A dry evening with clearing skies.

Chance of cloud free mountain/hill tops above 600m: Near nil, with extensive cloud above 300m during the morning, slowly lifting to around 500m through the afternoon then clearing in the evening.

Visibility: Less than 100m for many hours on high ground in low cloud, especially through the morning. Rather hazy below the cloud base.

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Forecast for Monday 21 Dec 2020

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	13/19 S	13/19 SE	12/17 E	8/13 SW	11/15 W	12/16 NW	10/16 NW
300	5/16 SE	5/15 SE	6/15 E	3/10 S	5/13 W	6/14 NW	6/14 NW
Valley	3/14 SE	8/18 E	8/18 E	3/6 S	4/10 NW	5/13 NW	3/10 NW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	2/-3	3/-2	3/-1	4/1	4/1	3/-1	2/-2
300	3/1	5/3	5/3	6/4	6/4	5/3	4/1
Valley	5/4	6/3	7/4	7/6	7/5	6/4	4/2
Freezing Level*	1000m	1300m	1800m	1800m	1600m	1200m	800m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Cold and damp conditions on the tops with a significant wind chill in the breeze.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Mon 21 Dec 2020	1.2mm	8.8mm	19.6mm

Forecast for Tuesday 22 Dec 2020

Weather: A touch of frost in the valleys at first. A cloudy start but brightening up through the morning. A dry afternoon with sunny spells and light winds. Dry with clear spells and a frost in the evening.

Maximum wind: South or Southwest 10-15mph, gusts 20mph.

Chance of cloud free mountain/hill tops above 600m: 95%. Clear summits expected, just a few patches on upslopes in the morning.

Visibility: Mainly very good.

Temperature: **Valleys:** Plus 1C rising to 7C, falling to Minus 1C in evening.
At 600m: Around Plus 1C.
Freezing level: Just above the summits. Frost in some valleys early and late.

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